

**REMARKS**

Reconsideration of this application, in view of the foregoing amendments and the following remarks, is respectfully requested.

**Rejection under 35 USC §112, first paragraph**

Claims 1-18 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. Applicants respectfully traverse these rejections.

The Examiner has stated that limitation “a number of clock cycles required for computing an output of the IIR filter is independent of a number of filter coefficients of the IIR filter” in claims 1 and 5 is not supported by the original disclosure. Applicants respectfully disagree. The specification clearly supports this limitation specifically on the list line of page 6 and lines 1-3 of page 7, the specification clearly states that the number of clock cycles required for computing  $y(n)$  is irrelevant to the coefficients. Accordingly, the specification clearly supports limitations in claims 1 and 5. Applicants respectfully request the withdrawal of rejections under 35 USC §112, first paragraph.

**Rejection under 35 USC §112, first paragraph**

Claims 1-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicants respectfully traverse these rejections.

Applicants have amended these claims to further clarify the subject matter. Applicants respectfully request the withdrawal of rejections under 35 USC §112, second paragraph.

**Rejection under 35 USC §102(b)**

Claims 1-8 stand rejected under 35 U.S.C. 102(b) as being clearly anticipated by Constant (4,228,517). Applicants respectfully traverse these rejections.

Applicants respectfully request the Examiner to consider the limitations added in the previous response in light of the explanation provided in this response. The added limitations clearly distinguish claims 1, 5, and those depended therefrom from the cited reference.

Applicant believes this application and the claims herein to be in a condition for allowance. Should the Examiner have further inquiry concerning these matters, please contact the below named attorney for Applicant.

Respectfully submitted,



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